

IFW/2637

PTO/SB/21 (09-04)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

10

Application Number

09/708,795

Filing Date

11/07/2000

First Named Inventor

Stefanos Sidiropoulos

Art Unit

2637

Examiner Name

Chang, Edith M.

Attorney Docket Number

RB1-005US (RA166.P.US)

**ENCLOSURES**

(Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1. Form PTO/SB/82 (1 page)
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	2. Form PTO/SB/96 (1 page)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	3. Copy of Recorded Assignment (7 pages)
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	4. Return Receipt Postcard
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="text"/> Remarks	

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Silicon Edge Law Group LLP, Arthur J. Behiel, Patent Attorney		
Signature			
Printed name	Arthur J. Behiel		
Date	July 22, 2005	Reg. No.	39,603

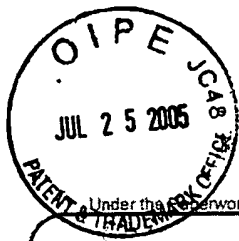
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Laurie Moreno	Date	July 22, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/82 (04-05)

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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	09/708,795
Filing Date	11/070/2000
First Named Inventor	Stefanos Sidiropoulos
Art Unit	2637
Examiner Name	Chang, Edith M.
Attorney Docket Number	RB1-005US (RA166.P.US)

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

38,489

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with  
Customer Number:

38,489

OR

☐ Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

Date

Telephone

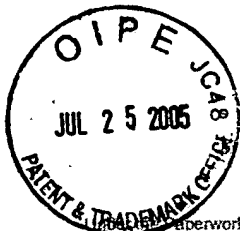
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Rambus Inc.

Application No./Patent No.: 09/708,795 Filed/Issue Date: 11/07/2000

Entitled: Reducing Coupled Noise in Pseudo-Differential Signaling Systems

Rambus Inc., a Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011464, Frame 0971, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

[Signature]  
Signature

Jose G. Moriz  
Printed or Typed Name

Intellectual Property Manager  
Title

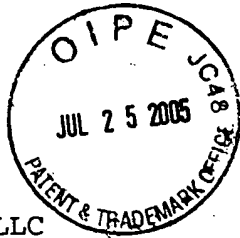
July 19, 2005  
Date

650-947-5000  
Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Patent and Trademark Office  
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OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 10, 2001

PTAS

LEE & HAYES, PLLC  
DANIEL L. HAYES  
421 W. RIVERSIDE AVENUE, SUITE 500  
SPOKANE, WASHINGTON 99201



\*101637647A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/07/2000

REEL/FRAME: 011464/0971  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SIDIROPOULOS, STEFANOS

DOC DATE: 11/06/2000

ASSIGNOR:  
LI, YINGXUAN

DOC DATE: 11/06/2000

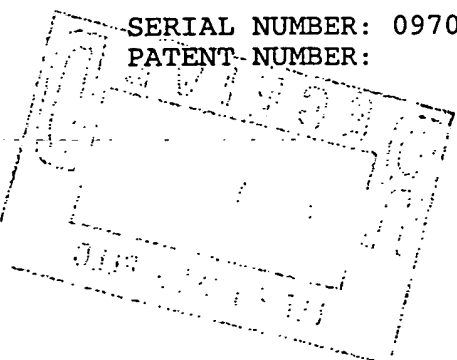
ASSIGNOR:  
HOROWITZ, MARK A.

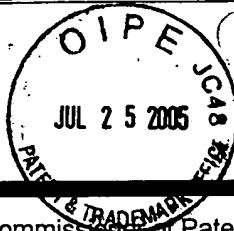
DOC DATE: 11/03/2000

ASSIGNEE:  
RAMBUS, INC.  
2465 LATHAM STREET  
MOUNTAIN VIEW, CALIFORNIA 94040

SERIAL NUMBER: 09708795  
PATENT NUMBER:

FILING DATE: 11/07/2000  
ISSUE DATE:





02-07-2001



To the Honorable Commissioner of Patents and Trademarks

101607147

... original documents or copy thereof

## 1. Name of Conveying Part(ies):

Stefanos Sidiropoulos  
Yingxuan Li  
Mark A. Horowitz

1-29-01

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

## 3. Nature of conveyance:

☐ Assignment ☐ Security Agreement☐ Merger ☐ Change of Name☒ Other - Correction of Assignment - to correct the  
state of incorporation of the Assignee

Execution Date: 11/3/2000; 11/6/2000

## 2. Name and address of receiving party(ies):

Name: Rambus, Inc.

Internal Address:

Street Address: 2465 Latham Street

City: Mountain View State: CA Zip: 94040

Additional names(s) & address(es) attached: ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 11/3/2000;  
11/6/2000

A. Patent Application No.(s):

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ NoAdditional numbers attached: ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Daniel L. Hayes

Internal Address: Lee &amp; Hayes, PLLC

Street Address: 421 W. Riverside Ave  
Suite 500

City: Spokane State: WA Zip: 99201

6. Total number of applications and patents involved ..... 17. Total fee (37 CFR 3.41) ..... \$40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

02/06/2001 6TON11 00000158 DANIEL L. HAYES  
01 FC:581 40.00 DP

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## 9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

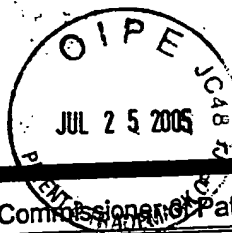
Daniel L. Hayes

Name of Person Signing

Daniel L. Hayes  
Signature1/25/01

Date

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Washington, D.C. 20231



## PATENTS ONLY

EL685270387

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

## 1. Name of Conveying Part(ies):

Stefanos Sidiropoulos  
Yingxuan Li  
Mark A. HorowitzAdditional name(s) of conveying party(ies) attached? Yes ☒ No ☐

## 3. Nature of conveyance:

- ☒ Assignment ☐ Security Agreement  
☐ Merger ☐ Change of Name  
☐ Other

Execution Date: 11/3/2000; 11/6/2000

## 2. Name and address of receiving party(ies):

Name: Rambus, Inc.

Internal Address:

Street Address: 2465 Latham Street

City: Mountain View State: CA Zip: 94040

Additional names(s) & address(es) attached: ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 11/3/2000;  
11/6/2000

## A. Patent Application No.(s):

Additional numbers attached: ☐ Yes ☒ No

## B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Daniel L. Hayes

Internal Address: Lee &amp; Hayes, PLLC

Street Address: 421 W. Riverside Ave  
Suite 500

City: Spokane State: WA Zip: 99201

## 6. Total number of applications and patents involved.....1

## 7. Total fee (37 CFR 3.41).....\$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

DO NOT USE THIS SPACE

## 9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Daniel L. Hayes

Name of Person Signing

Daniel L. Hayes

Signature

11/7/00

Date

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship ..... Sidiropoulos et al.  
Applicant ..... Rambus Inc.  
Attorney's Docket No. .... RB1-005US  
Title: Reducing Coupled Noise in Pseudo-Differential Signaling Systems

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Stefanos Sidiropoulos  
731 Ellsworth Street  
Palo Alto, CA 94306

Yingxuan Li  
902 Cottonwood Drive  
Cupertino, CA 95014

Mark A. Horowitz  
1309 San Mateo Drive  
Menlo Park, CA 94025

Assignee:

Rambus Inc.  
A Corporation in the State of ~~California~~ Delaware  
2465 Latham Street  
Mountain View, CA 94040

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Reducing Coupled Noise in Pseudo-Differential Signaling Systems," as described and claimed in the specification forming part of an application for United States letters patent executed herewith;

WHEREAS, Rambus Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of ~~California~~ Delaware DLH 1/25/01 having a place of business at 2465 Latham Street, Mountain View, CA 94040, is desirous of acquiring the entire right, title

1 and interest in and to the invention and in and to any letters patent that may be  
2 granted therefor in the United States and in any and all foreign countries;

3 NOW, THEREFORE, in exchange for good and valuable consideration, the  
4 receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and  
5 transfer unto ASSIGNEE, the entire right, title and interest in and to said  
6 invention, said application and any and all letters patent which may be granted for  
7 said invention in the United States of America and its territorial possessions and in  
8 any and all foreign countries, and in any and all divisions, reissues and  
9 continuations thereof, including the right to file foreign applications directly in the  
10 name of ASSIGNEE and to claim priority rights deriving from said United States  
11 application to which said foreign applications are entitled by virtue of international  
12 convention, treaty or otherwise, said invention, application and all letters patent on  
13 said invention to be held and enjoyed by ASSIGNEE and its successors and  
14 assigns for their use and benefit and of their successors and assigns as fully and  
15 entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this  
16 assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize  
17 and request the Commissioner of Patents and Trademarks to issue all letters patent  
18 on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments  
19 and documents required for the making and prosecution of applications for United  
20 States and foreign letters patent on said invention, for litigation regarding said  
21 letters patent, or for the purpose of protecting title to said invention or letters  
22 patent therefor.  
23  
24  
25



\*\*\*\*\*

11/6/2000

Stefanos Sidiropoulos

State of California ) ss.  
County of Santa Clara

I certify that I know or have satisfactory evidence that Stefanos Sidiropoulos is the person who appeared before me, and said person acknowledged that he or she signed this instrument and acknowledged it to be his or her free and voluntary act for the uses and purposes mentioned in the instrument.



Dated November 6, 2000

Signature of Michiko Sites  
Notary Public

My appointment expires Oct. 8, 2003

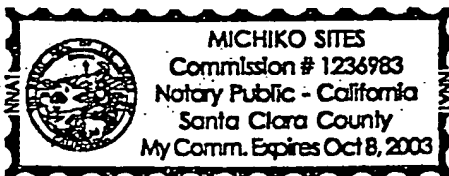
\*\*\*\*\*

11/6/00

Yingxuan Li

State of California ) ss.  
County of Santa Clara

I certify that I know or have satisfactory evidence that Yingxuan Li is the person who appeared before me, and said person acknowledged that he or she signed this instrument and acknowledged it to be his or her free and voluntary act for the uses and purposes mentioned in the instrument.



Dated November 6, 2000

Signature of Michiko Sites  
Notary Public

My appointment expires Oct. 8, 2003

\*\*\*\*\*

1 Nov 3, 2000  
2 Date

Mark A. Horowitz  
Mark A. Horowitz

3 State of California }  
4 County of Santa Clara } ss.

5 I certify that I know or have satisfactory evidence that Mark A. Horowitz is the  
6 person who appeared before me, and said person acknowledged that he or she signed  
7 this instrument and acknowledged it to be his or her free and voluntary act for the  
8 uses and purposes mentioned in the instrument.

Dated Nov. 3, 2000

Signature of  
Notary Public

Michiko Sites

My appointment expires Oct. 8, 2003

